each lenslet pixel module corresponding with and operable to produce a complete 3D pixel of the three-dimensional image;

a plurality of two-dimensional moving image sources associated with and forming a portion of the lenslet pixel modules; and

the lenslet pixel modules cooperating with each other to form a projector array for displaying the three-dimensional image.

17. (Amended) A system for presenting a scalable, autostereoscopic image comprising:

a plurality of lenslet pixel modules with each module defined in part by a respective lenslet;

each lenslet pixel module corresponding with and operable to produce a complete 3D pixel of the autostereoscopic image;

a plurality of two-dimensional image sources associated with and forming a portion of each lenslet pixel module; and

at least one computer processing unit providing an input to at least one of the plurality of two-dimensional image sources.

21. (Amended) The system of Claim 17 further comprising:

a plurality of first computer processing units having at least one video output channel to supply video images to the two-dimensional image sources;

a two-dimensional image source coupled with one of the first computer processing units; and

a master computer processing unit coupled with and supplying data to the first computer processing units.

25. (Amended) A method for presenting an autostereoscopic image comprising:

combining a plurality of high resolution two-dimensional digital image sources with a plurality of lenslet pixel modules with each pixel module having a respective fly's eye lenslet and being operable to produce a complete 3D pixel; and

Serial No.: 09/457,013

projecting light from each digital image source through the respective lenslet

pixel module to form the autostereoscopic image from a plurality of 3D

pixels.

29. (Amended) A lenslet pixel module for projecting light and sensing light comprising:

a two-dimensional image source operably coupled with a respective lenslet

whereby a portion of a selected two-dimensional image may be projected

from the lenslet to form at least one complete 3D pixel of an

autostereoscopic image;

a sensor disposed within and forming a portion of the lenslet pixel module; and

the sensor operably coupled with a fly's eye lenslet to allow the sensor to detect at

least one real object in front of the lenslet pixel module.